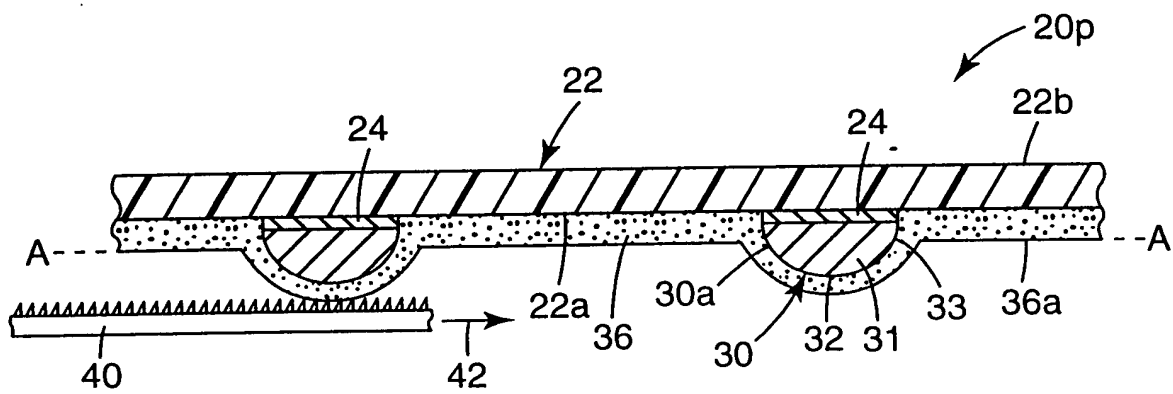
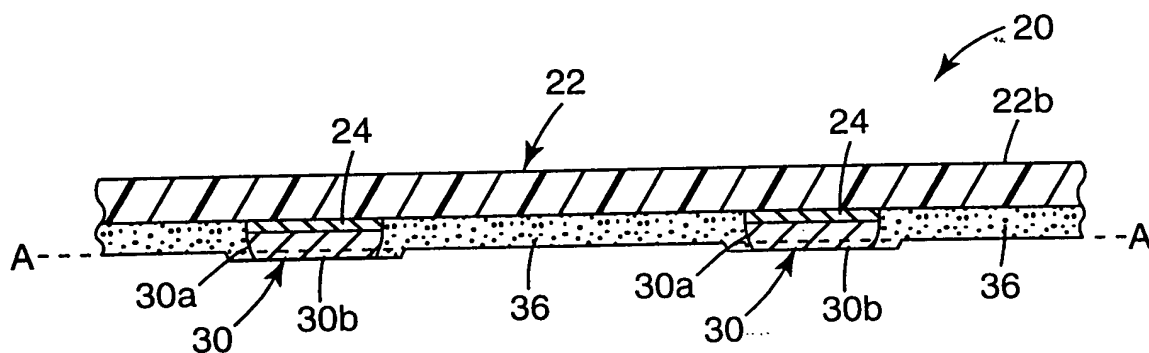


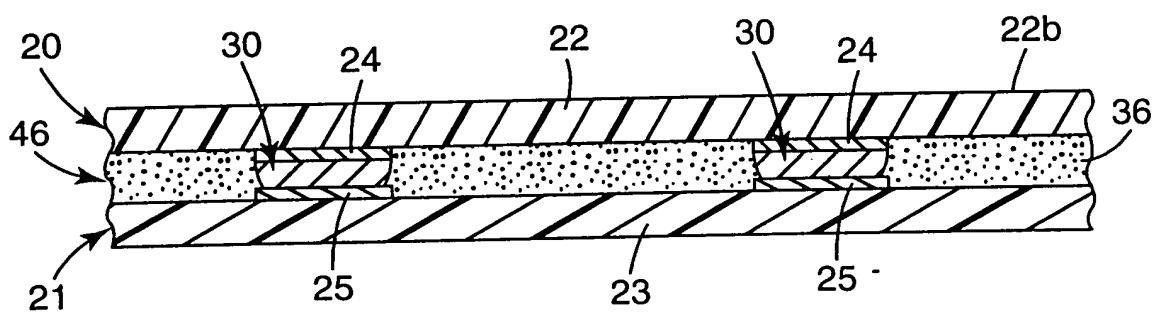
**Fig. 1a**



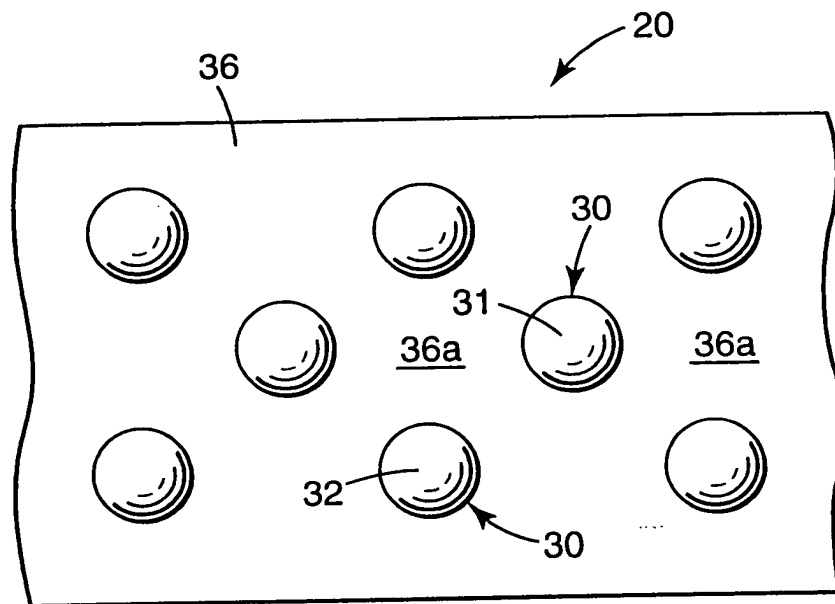
**Fig. 1b**



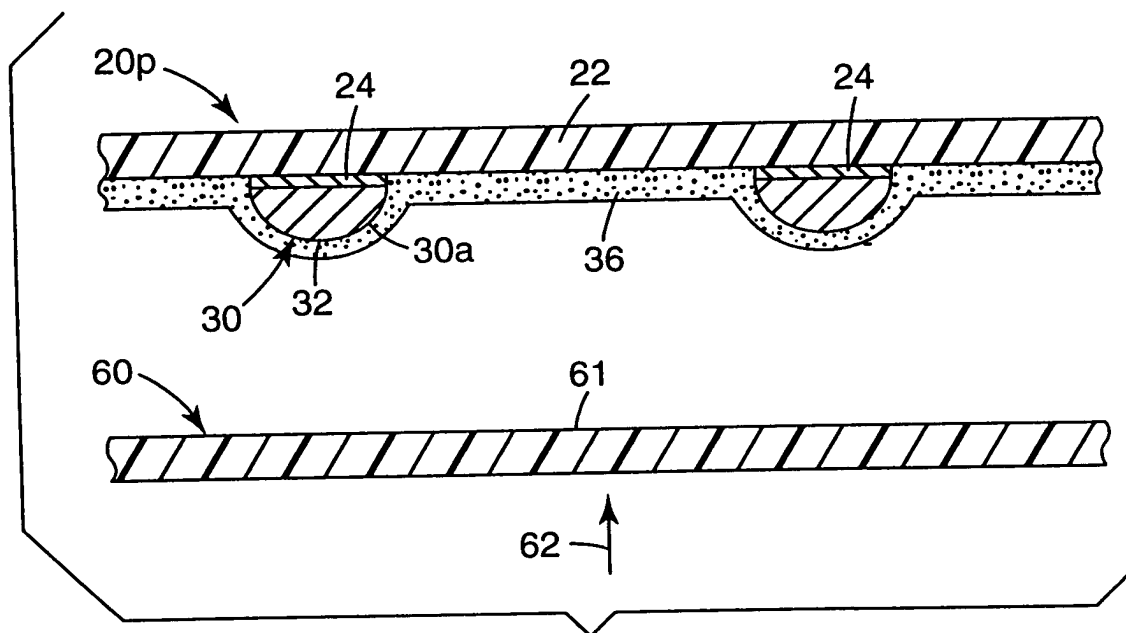
**Fig. 1c**



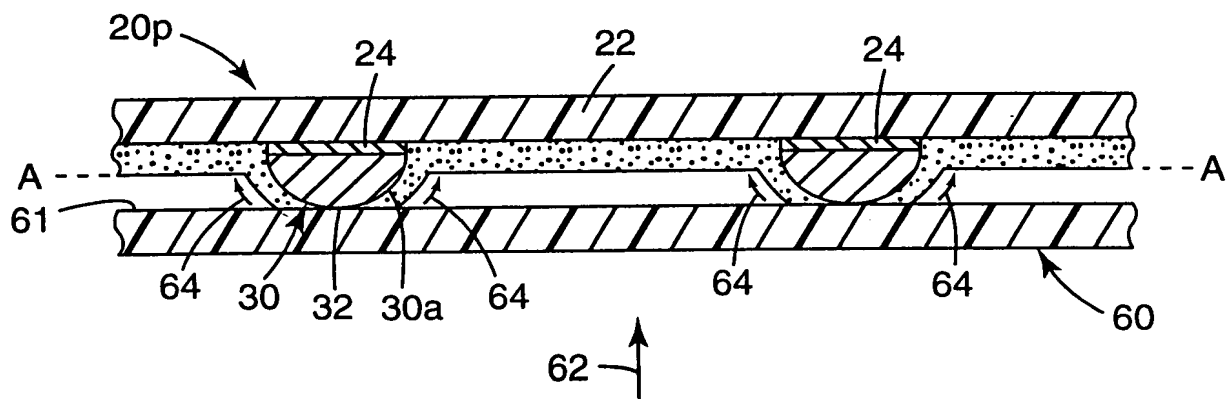
**Fig. 1d**



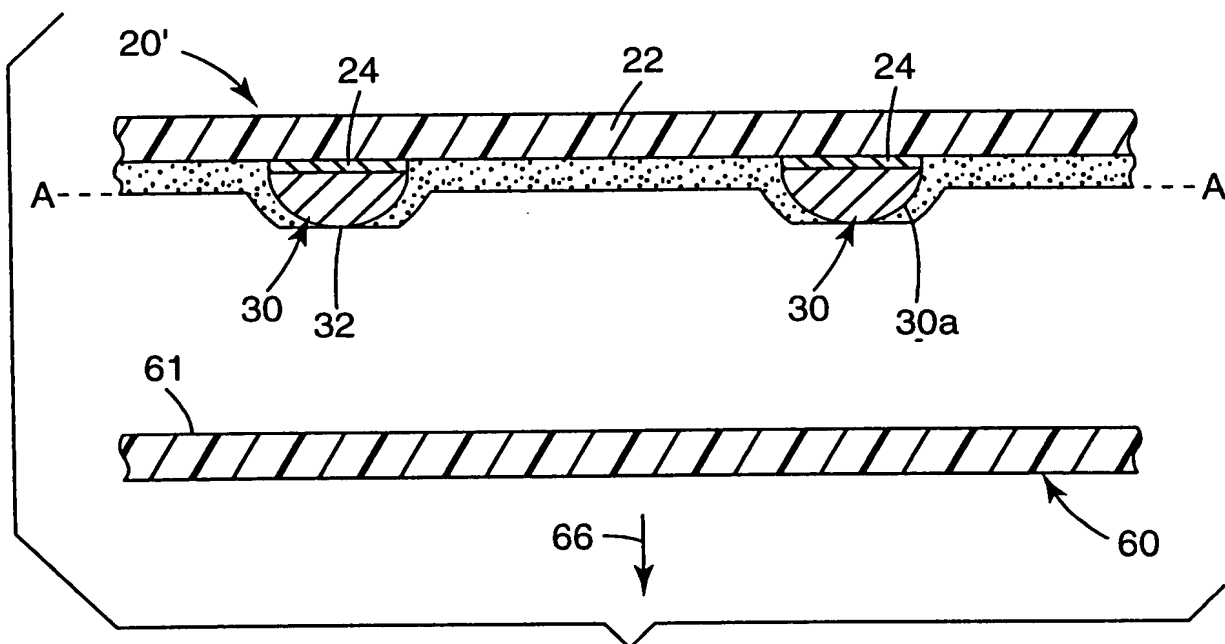
**Fig. 2**



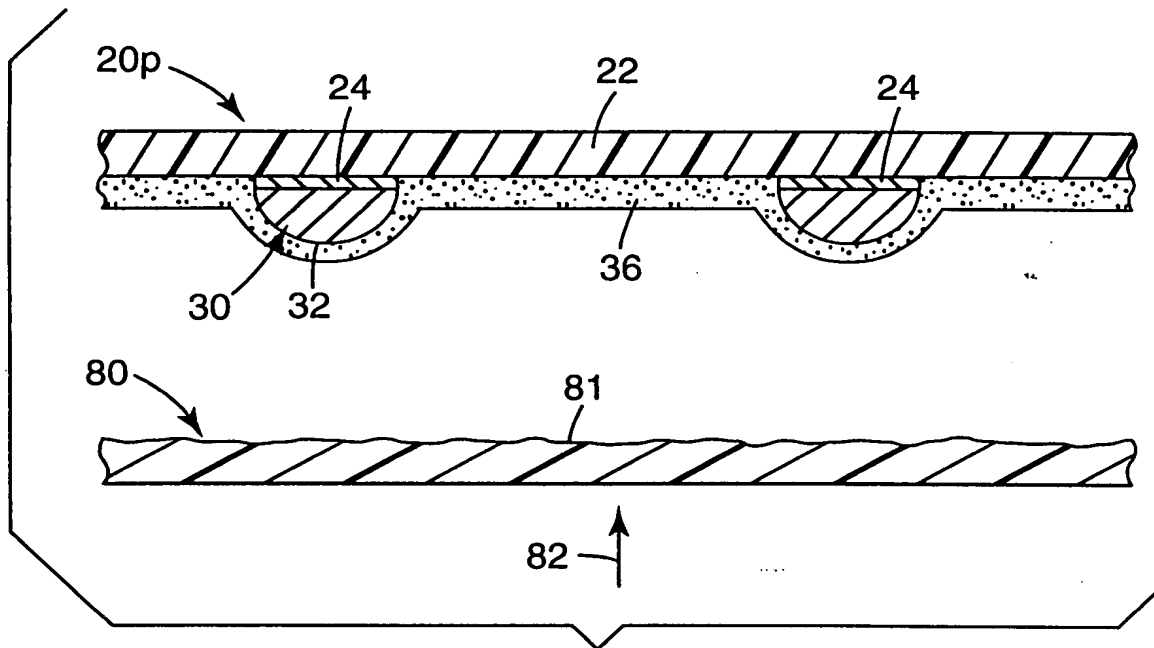
**Fig. 3a**



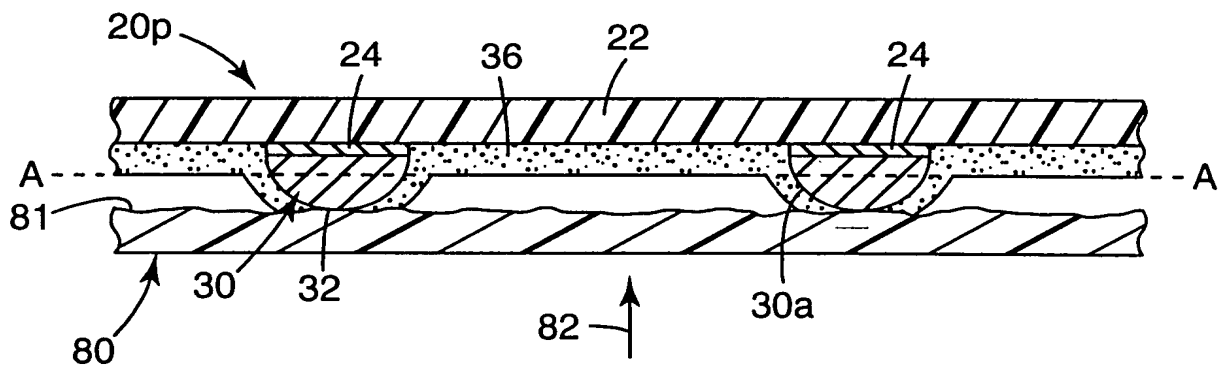
**Fig. 3b**



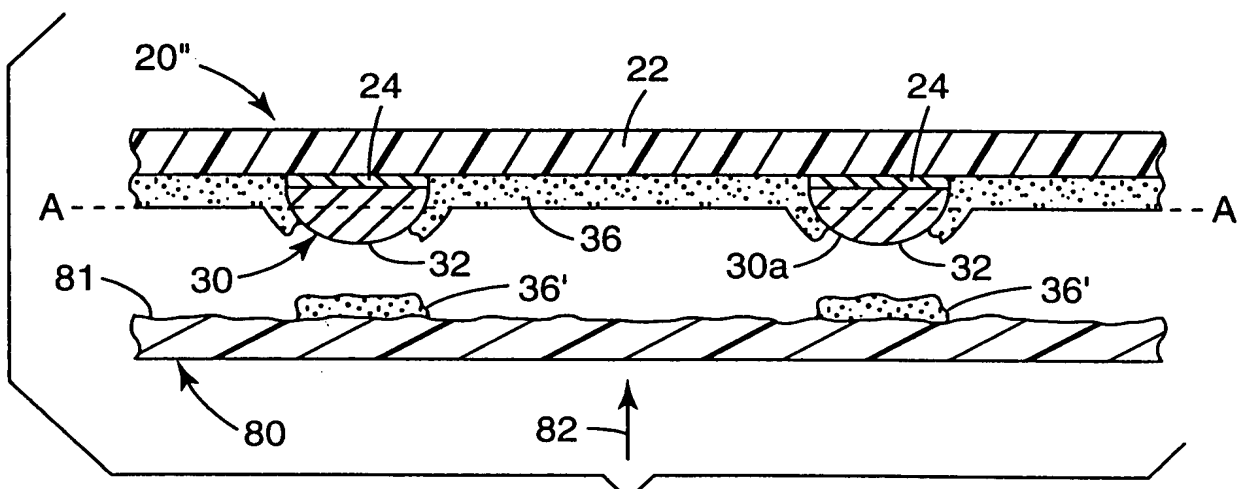
**Fig. 3c**



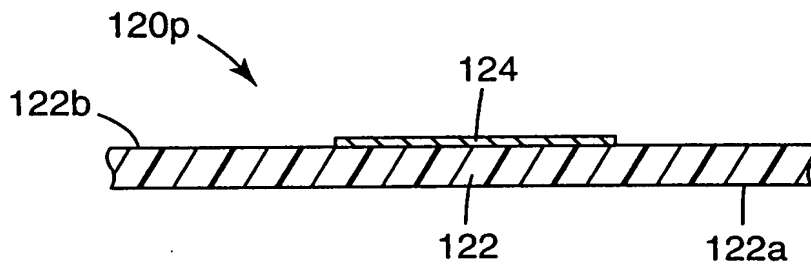
**Fig. 4a**



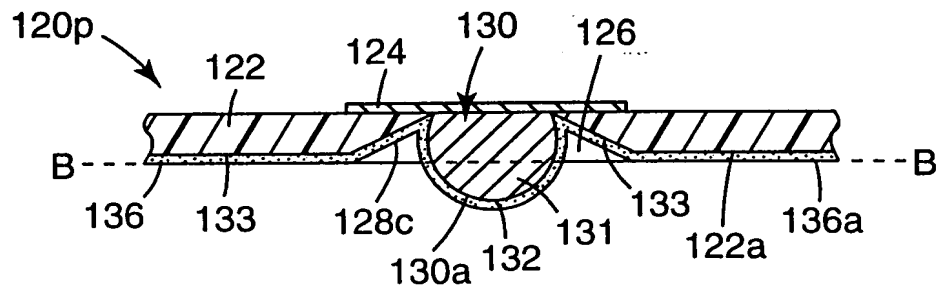
**Fig. 4b**



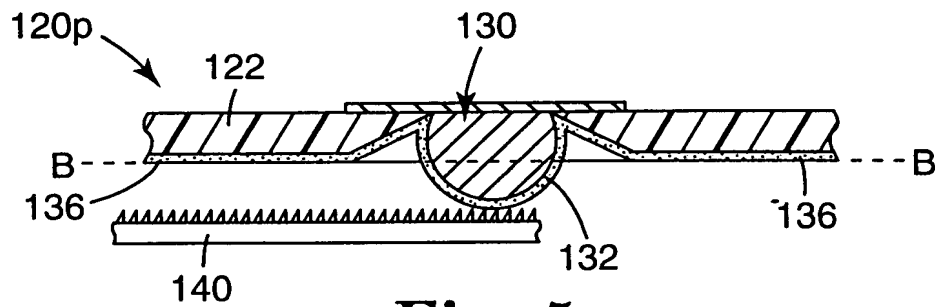
**Fig. 4c**



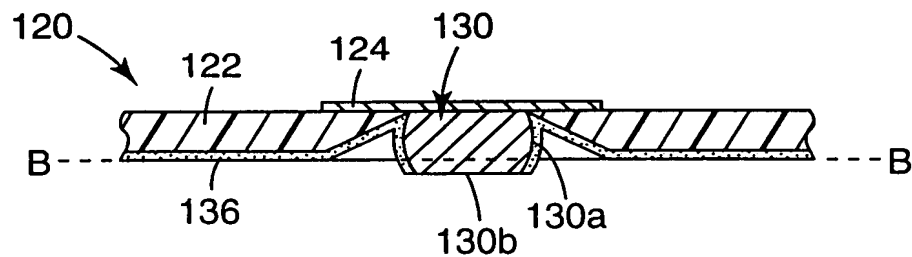
**Fig. 5a**



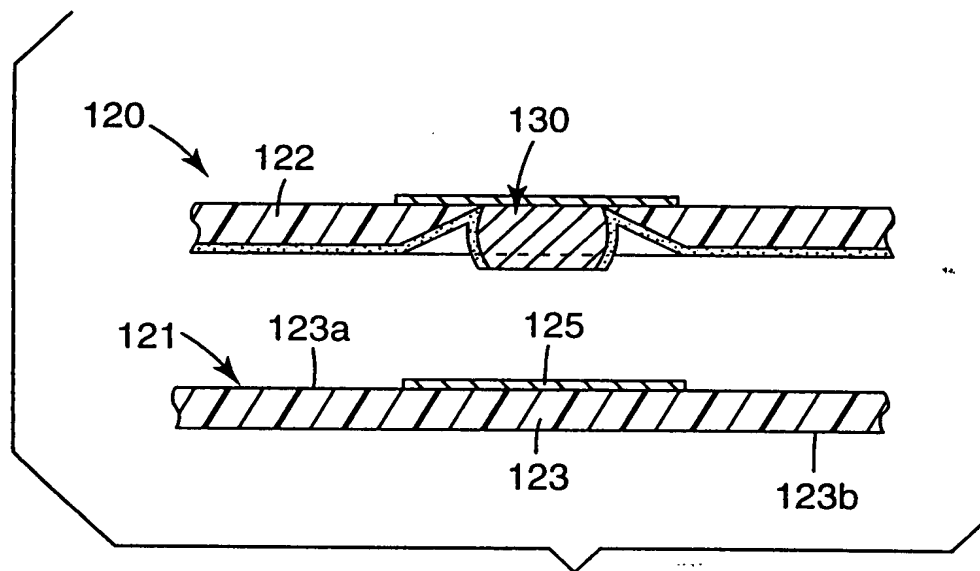
**Fig. 5b**



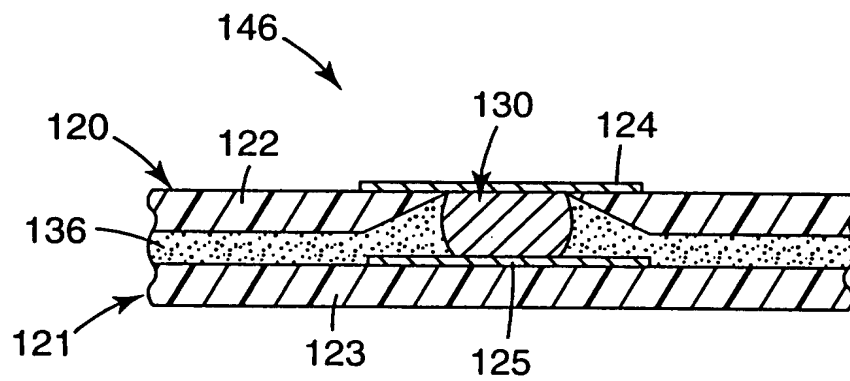
**Fig. 5c**



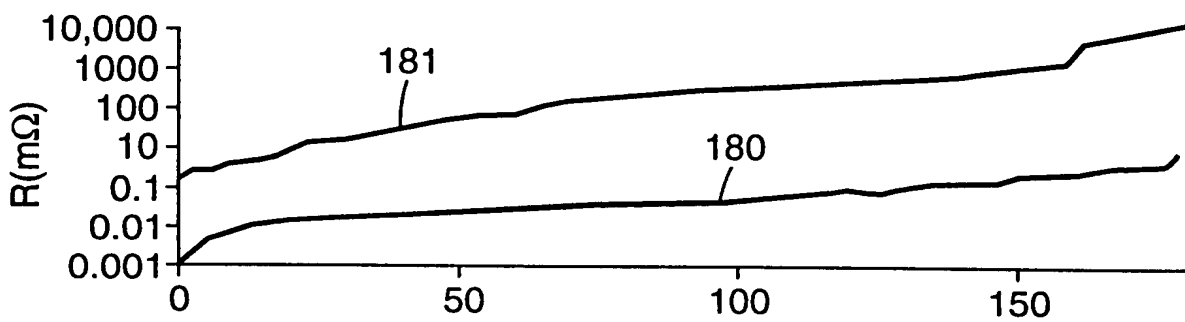
**Fig. 5d**



**Fig. 5e**



**Fig. 5f**



SORTING DISTRIBUTION OF  
MEASURED VIAS RESISTANCE

**Fig. 7**

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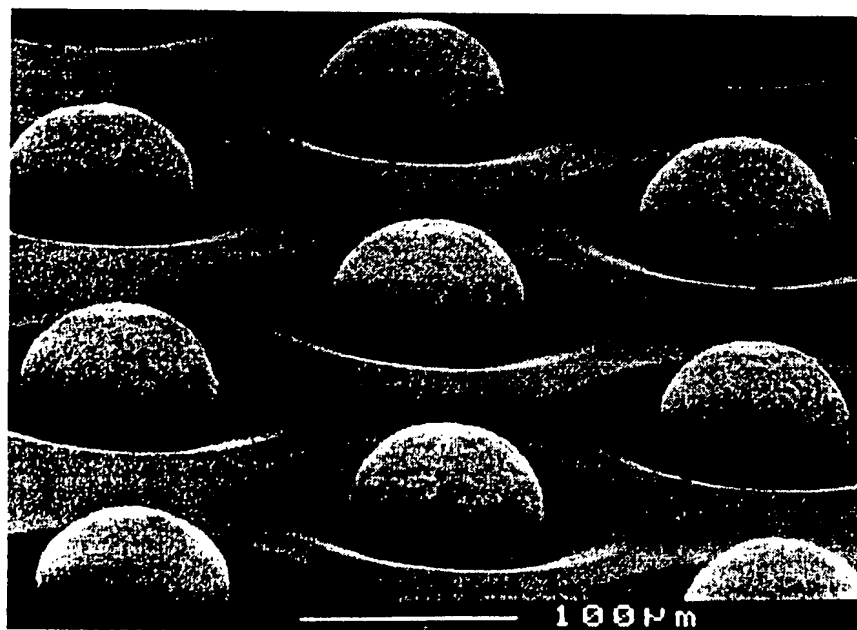


FIG.6A



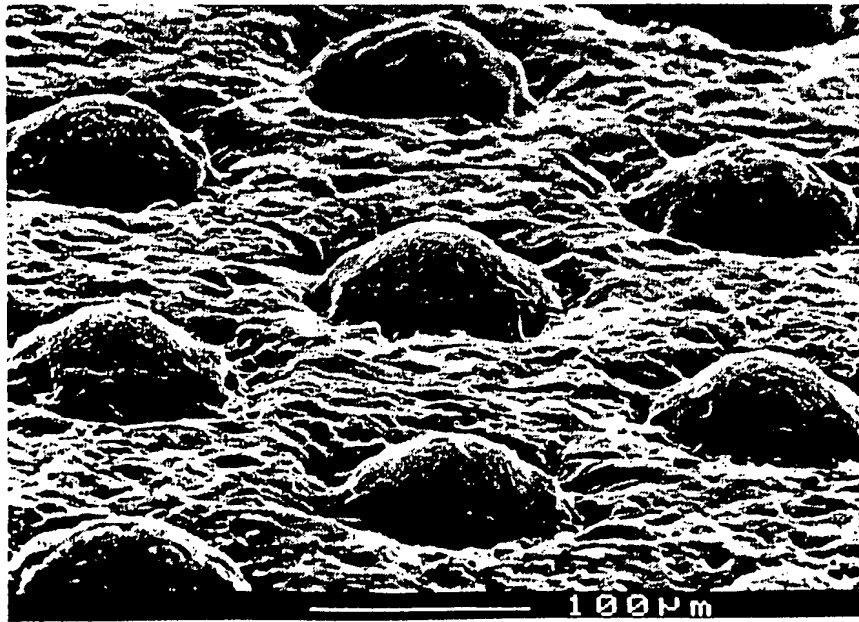


FIG.6B

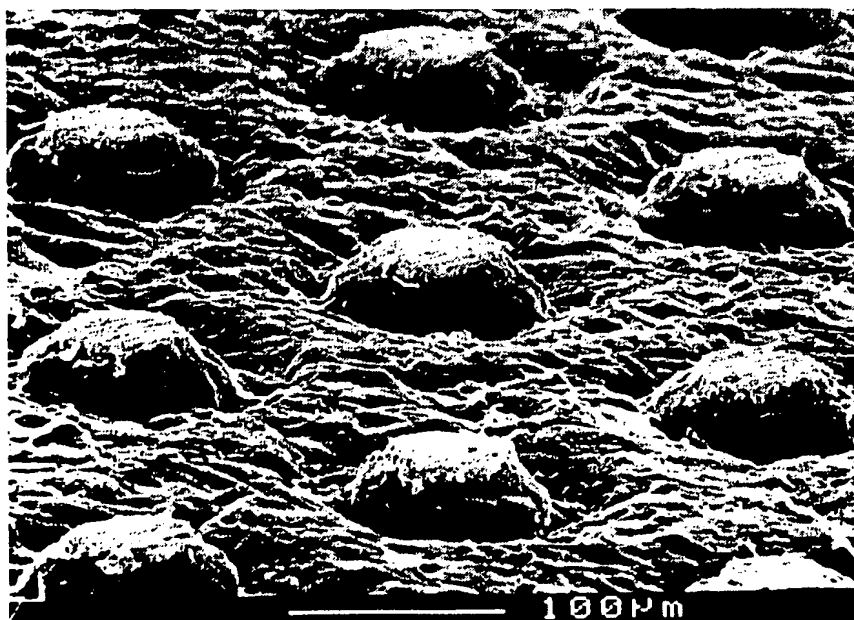


FIG.6C